

*Ashbourne College***M2 Scheme of work****Duration of lesson: 2 hours****Reference: Mechanics 2 (ISBN 978-0-435519-17-9)**

	<b>Week</b>	<b>Date</b>	<b>Topics</b>	<b>Exercise</b>	<b>Homework</b>
<b>HT1</b>	01	4 <sup>th</sup> September	M1 revisions: Linear motion with uniform acceleration, vectors and Introduction to projectiles	M1 ppq	Ex 1A
	02	11 <sup>th</sup> September	Projectiles: Harder questions	Mixed Ex 1D: 1,2,7,8,15,16,17	HW_Projectiles
	03	18 <sup>th</sup> September	Linear motion with variable acceleration	Ex 1B	HW_Var Acc_1
	04	25 <sup>th</sup> September	Linear motion with variable acceleration. Harder questions	Ex 1C and Mixed Ex 1D	HW_Var Acc_2
	05	2 <sup>nd</sup> October	Centre of mass: particles in a straight line, particle in a plane and standard uniform plane lamina	EX 2A and 2B	HW_Rev_1
	06	9 <sup>th</sup> October	Mini-mocks		

	07	16 <sup>th</sup> October	Mock discussion		Mixed Revision Sheet_1
			Half-term		
HT2	08	30 <sup>th</sup> October	Centre of mass: Composite lamina and framework	Ex 2D and 2E	HW_CM_2
	09	6 <sup>th</sup> November	Centre of mass: Solving problem in equilibrium of a lamina. Harder questions	Ex 2G	HW_CM_3
	10	13 <sup>rd</sup> November	Work energy and power	Ex 3A, B	HW_WEP_1
	11	20 <sup>th</sup> November	Work energy and power	Ex 3C, D	HW_WEP_2
	12	27 <sup>th</sup> November	Revision of Wk1 – Wk11	Review Ex 1	HW_Rev_2
	13	4 <sup>th</sup> December	Mocks		

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	14	11 <sup>th</sup> December	Mock discussion		Mixed Revision Sheet_2
			Xmas		
HT3	15	1 <sup>st</sup> January	Collisions	Ex 4A	HW_Collisions_1
	16	8 <sup>th</sup> January	Collisions	Ex 4B - C	HW_Collisions_2
	17	15 <sup>h</sup> January	Collisions	Ex 4D	HW_Collisions_3
	18	22 <sup>nd</sup> January	Collisions Harder questions	Ex 4E	HW_Collisions_4
	19	29 <sup>th</sup> January	Statics of ridged bodies Introduction	Ex 5A	HW_Statics_1
	20	5 <sup>th</sup> February	Revision of Wk15 – Wk19	PPQ	HW_Rev_3
			Half-term		

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HT4	21	19 <sup>th</sup> February	Mocks		
	22	26 <sup>th</sup> February	Mocks discussion		Rev_Ex_4
	23	5 <sup>th</sup> March	Statics of ridged bodies Rigid bodies in equilibrium	Ex 5B	HW_Statics_2
	24	11 <sup>th</sup> March	Statics of ridged bodies under the action of three non-parallel forces	Ex 5C	HW_Statics_3
	25	18 <sup>th</sup> March	Statics of ridged bodies in limiting equilibrium	Ex 5D	HW_Statics_3

			<b>Easter</b>		
HT5	26	16 <sup>th</sup> April	Revision	Review Ex 2	Past exam questions
	27	23 <sup>rd</sup> April	Mock Exam		
	28	30 <sup>th</sup> April	Discussion of Mock Questions	Mock questions, Past exam questions	Past exam questions

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	29	6 <sup>th</sup> May	Revision	Past exam questions	Past exam questions
	30	13 <sup>th</sup> May	Revision	Past exam questions	Past exam Questions
	31	21 <sup>st</sup> May	Revision	Past exam questions	Past exam questions